CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-12/523/Cube/2017-18 22.01.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction and Improvements of culverts in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/143/2017-18 Dated: 21.12.2017
* Sample ID	:	Culvert Raft Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.01.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.12.2017	22.01.2018	8.163	480.3	21.35
2	25.12.2017	22.01.2018	8.250	510.3	22.68
3	25.12.2017	22.01.2018	8.340	528.6	23.49

*Information is furnished by the Customer/Representative.

Note:

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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VIDYARANI P.K.
Technical Manager

AE-13

ನಡಾವಳಿ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
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22.01.2018

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Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.01.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.12.2017	22.01.2018	8.133	475.5	21.13
2	25.12.2017	22.01.2018	8.265	505.6	22.47
3	25.12.2017	22.01.2018	8.310	515.4	22.91

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03.01.2018

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-12/523/Cube/2017-18

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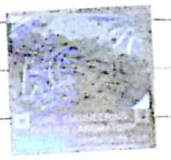
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	7^{th} day
Sample Received on	:	03.01.2018



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.12.2017	03.01.2018	8.150	326.8	14.52
2	27.12.2017	03.01.2018	8.290	335.9	14.93
3	27.12.2017	03.01.2018	8.310	343.5	15.27

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Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-12/523/Cube/2017-18 03.01.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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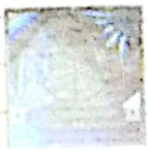
* Sample ID	:	Culvert Raft Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	7^{th} day
Sample Received on	:	03.01.2018



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.12.2017	03.01.2018	8.102	330.5	14.69
2	27.12.2017	03.01.2018	8.280	343.6	15.27
3	27.12.2017	03.01.2018	8.308	356.5	15.84

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* Sample ID	:	Culvert Raft Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	7^{th} day
Sample Received on	:	03.01.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.12.2017	03.01.2018	8.118	321.6	14.29
2	27.12.2017	03.01.2018	8.210	330.4	14.68
3	27.12.2017	03.01.2018	8.305	345.2	15.34

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Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-12/523/Cube/2017-18 06.01.2018

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* Reference	:	BBMP/EE/DD/WO/143/2017-18 Dated: 21.12.2017
* Sample ID	:	Culvert Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	7^{th} day
Sample Received on	:	06.01.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.12.2017	06.01.2018	8.103	330.5	14.69
2	30.12.2017	06.01.2018	8.230	346.6	15.40
3	30.12.2017	06.01.2018	8.305	352.6	15.67

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